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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/064,566

07/26/2002

Priya Gopinath

124320

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06/14/2006

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EXAMINER

LAVIN, CHRISTOPHER L

ART UNIT

PAPER NUMBER

2624

DATE MAILED: 06/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER
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ART UNIT	PAPER
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20060602

DATE MAILED:

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Commissioner for Patents

***Information Disclosure Statement***

1. The information disclosure statement filed 04/03/06 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. Reference number 7, "Coronary Arteries: Retrospective Cardiac Gating Technique to Reduce Cardiac Motion Artifact at Spiral CT" was not included. Please submit this reference with the next response.

***Request for Information***

2. Applicant and the assignee of this application are required under 37 CFR 1.105 to provide the following information that the examiner has determined is reasonably necessary to the examination of this application.

3. In Exhibit A, filed on 04/03/06, page 2 of 6 the inventors stated the following:

To improve the accuracy of the calibration process for different patient sizes, it is proposed to use a 35 and a 48 cm poly phantom, to mimic medium and large patient sizes. A calibration curve set can be developed to incorporate the variations due to different scan parameters, CT number drifts due to aging of the system, etc. Thus the proposed calibration process will set a range within which the above CT HU variations can be tolerated and a mechanism can be set up to alert the technologist if the CT Hounsfield units step outside the bounds.

Many current calibration processes for other CT based applications requiring a similar computation use a 'on the fly' calibration technique. One advantage of our proposed technique for calcium scoring over it is that while the other calibration technique adapts to the variations listed above in a real time fashion, it does not contain any mechanism where the CT variations are constantly monitored to comply over the acceptable range. Thus it is inefficient in testing the accuracy of the conversion due to the system as a whole in spite of real time calibration

In response to this requirement, please provide the title, citation and copy of each publication (if publications are not available at least the product names and model numbers) of the mentioned "current calibration processes". The examiner also asks that any other references teaching CT calibration using phantoms or calibration curves be supplied as well.

Art Unit: 2624

4. In responding to those requirements that require copies of documents, where the document is a bound text or a single article over 50 pages, the requirement may be met by providing copies of those pages that provide the particular subject matter indicated in the requirement, or where such subject matter is not indicated, the subject matter found in applicant's disclosure.

5. The fee and certification requirements of 37 CFR 1.97 are waived for those documents submitted in reply to this requirement. This waiver extends only to those documents within the scope of this requirement under 37 CFR 1.105 that are included in the applicant's first complete communication responding to this requirement. Any supplemental replies subsequent to the first communication responding to this requirement and any information disclosures beyond the scope of this requirement under 37 CFR 1.105 are subject to the fee and certification requirements of 37 CFR 1.97.

6. The applicant is reminded that the reply to this requirement must be made with candor and good faith under 37 CFR 1.56. Where the applicant does not have or cannot readily obtain an item of required information, a statement that the item is unknown or cannot be readily obtained may be accepted as a complete reply to the requirement for that item.

7. This requirement is subject to the provisions of 37 CFR 1.134, 1.135 and 1.136 and has a shortened statutory period of 2 months. **EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).**


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher L. Lavin whose telephone number is 571-272-7392. The examiner can normally be reached on M - F (8:30 - 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bhavesh M. Mehta can be reached on (571) 272-7453. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher Lavin



**BHAVESH M. MEHTA**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600